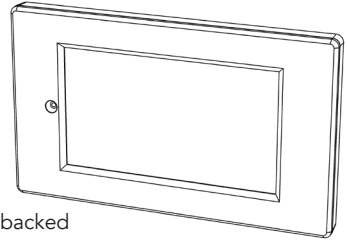


**The RE657WF Flat Mount Touchpad** is an intuitive interface for controlling the security system. Designed to cover unsightly marks, the Flat Mount Touchpad is well suited for takeover situations. It is AC powered and communicates with the panel wirelessly.

### Features

- Vibrant 7" Android™ tablet display
- Provides local control of security and automation functionality
- Expanded footprint for covering marks left by pre-existing keypads
- Encrypted, Connect+ and BAT-Connect enabled, battery-backed Wi-Fi™ connection

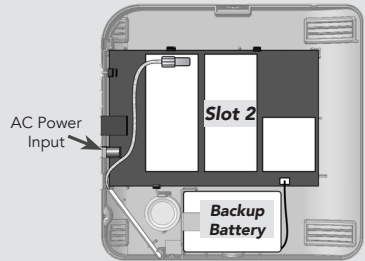


### Installation Overview for Connect+

1. **Confirm the panel** has a Wi-Fi DeviceLink card installed.

#### Installing the Wi-Fi DeviceLink Card

- Disconnect the panel's AC power and backup battery.
- Install the Wi-Fi DeviceLink card in **Slot 2** by carefully aligning the nylon retention posts and the 8-pin connector while pushing the card firmly until all posts are fully seated.
- Reconnect the panel's AC power and backup battery.
- Verify the Wi-Fi card LEDs are on.

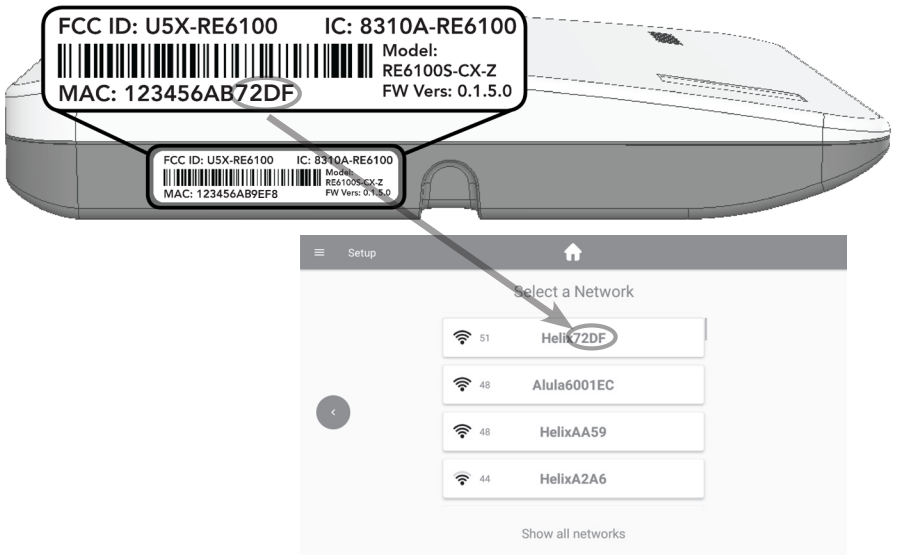


2. **Choose a mounting location.**

3. **Identify your network** and verify signal strength before mounting it permanently.

1. Ensure the panel is powered.
2. Power the Touchpad by applying AC power.
3. Select the "Connect" option to see the available networks. If the "Connect" option is not available, press "Setup" then "Factory Default". The Touchpad can be connected to either the Wi-Fi DeviceLink card or the home router for internet access. (Internet access allows camera control and the ability to modify users.)
4. Once a network is determined, verify the signal strength. If the signal strength displayed is less than 35, relocate the Touchpad or Connect+ panel. If neither options are available, install an RE621 Touchpad Range Extender.

**Note:** If connecting to a home network router, the Connect+ needs to be connected to the same network via ethernet. The Touchpad cannot connect to the panel over an unsecured or open network.



By default the Touchpad network list will show Connect+ and BAT-Connect access points. To view all networks in range tap the "Show all networks" button at the bottom of the network list.

**4. Mount the Touchpad.** Refer to section "Touchpad Mounting" for mounting instructions.

**5. Enroll the Touchpad** by pressing the enroll button on the side of the panel until it beeps once and then select the desired network.

**Note:** If connecting to a home network, enter router credentials at the Touchpad. After a connection is established, the Touchpad will discover all devices on the network. Select the desired panel. After selecting the desired panel, the Touchpad will progress through stages of discovery and authentication. Upon success it will show the DISARMED screen. If the wrong panel was selected, press the "Restart" button in the side menu.

#### **Troubleshooting Steps if Enrollment Fails:**

- Confirm the panel is disarmed and in wireless enrollment mode. A red light will flash on the panel if in wireless enrollment mode.
- Check whether the panel is already full. The limit is four Touchpads. To confirm number of Touchpads connected, log into your account.
- Tap the "Restart" button to try again.

**6. If using cameras or user management features,** you must log in to the Alula Cloud as the account owner. To log in go to Settings and select Touchpad. Enter master code, then select Alula Cloud. Sign in with your username and password.

**Note:** Internet access is required.

**7. Test the Touchpad** by arming and disarming the panel from the Touchpad.

# Installation Overview for BAT-Connect

## 1. Choose a mounting location.

## 2. Identify your network and verify signal strength before mounting it permanently.

1. Ensure the system is powered.
2. Power the Touchpad by applying AC power.

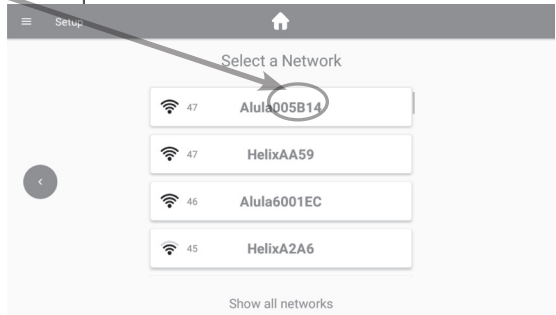
**Note:** The Touchpad cannot run off panel bus. Existing wiring needs to be moved to the provided power adapter. For additional details, please refer to Wall Mounting section.

3. Select the "Connect" option to see the available networks. The Touchpad should be directly connected to the BAT-Connect access point. The Touchpad can access the internet directly through the BAT-Connect.

**Note:** Internet access allows camera control and the ability to modify users.

4. Once a network is determined, verify the signal strength. If the signal strength displayed is less than 35, relocate the Touchpad or BAT-Connect.

**Note:** In order for the Touchpad to access the internet through the BAT-Connect access point, the BAT-Connect must be connected via ethernet or Wi-Fi.



## 3. Mount the Touchpad. Refer to section "Touchpad Mounting" for mounting instructions.

4. **Enroll the Touchpad** by pressing the enroll button on the BAT-Connect for 2-3 seconds. Select your network, then select next. Enter the CRC of the BAT-Connect, which can be found on the inside cover of the BAT-Connect. The Touchpad will progress through stages of discovery and authentication. Upon success it will show the DISARMED screen. If the wrong device was selected, press the "Restart" button in the side menu.

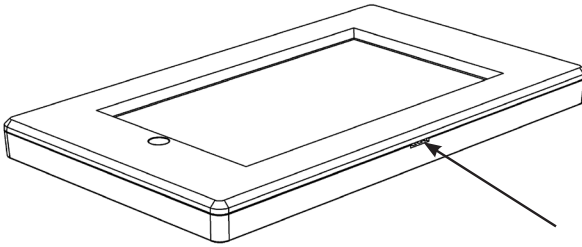
### Troubleshooting Steps if Enrollment Fails:

- Confirm the system is disarmed and in wireless enrollment mode. The DeviceLink LED on the BAT-Connect will flash when in enrollment mode.
- If the "Connect" option is not available, press "Setup" then "Factory Default".
- Check whether the panel is already full. The limit is four Touchpads. To confirm number of Touchpads connected, log into your account.
- Tap the "Restart" button to try again.
- BAT-Connect cover must be open for Enrollment Mode.

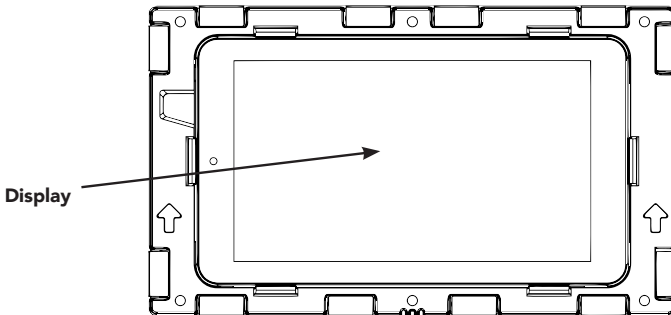
- 5. If using camera or user management features**, internet access is required. In order to access the internet your BAT-Connect must be connected via ethernet or Wi-Fi. In addition you must log in to the Alula platform using the account owner username and password. To log in go to Settings and select Touchpad. Enter master code, then select Alula Cloud.
- 6. Test the Touchpad** by arming and disarming the system from the Touchpad.

## Touchpad Mounting

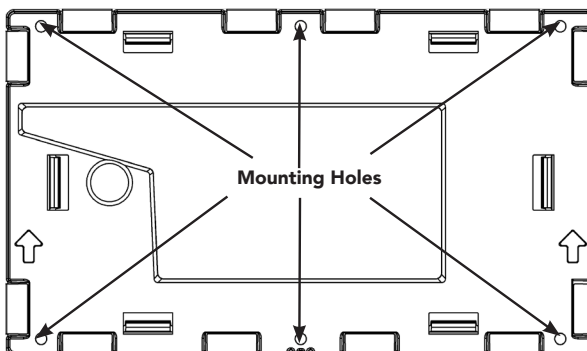
- 1. Open the enclosure** by lifting at the single point with a flathead screw driver at the location shown below.

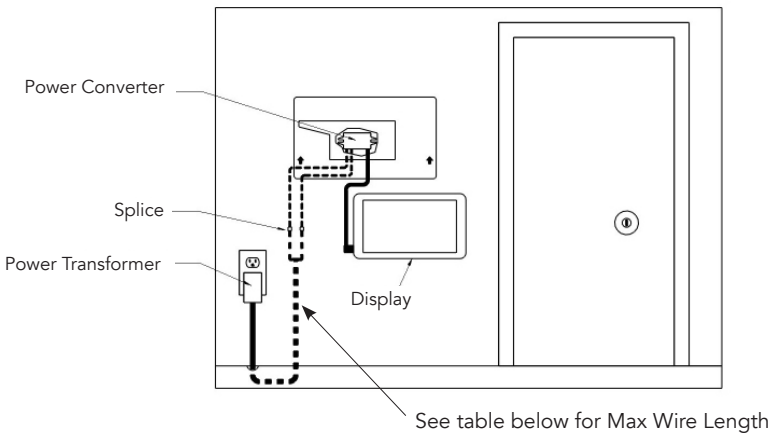


- 2. Remove the display** by pulling it out of the back plastic.



- 3. Mount the enclosure to the wall** using the screw holes in the enclosure. Insert the wall anchors prior to securing the screws in place.

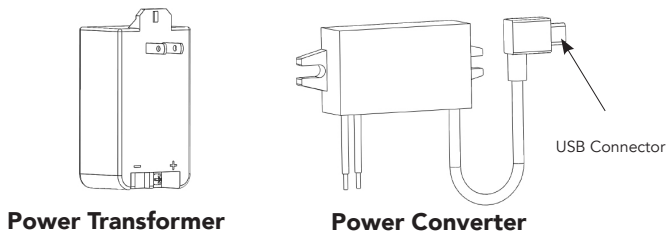




4. **Pull wire from touchpad** to AC outlet. If replacing an existing touchpad, existing wiring can be used; however, new touchpad must be powered by supplied 12V DC power transformer. Do not power from existing panel.

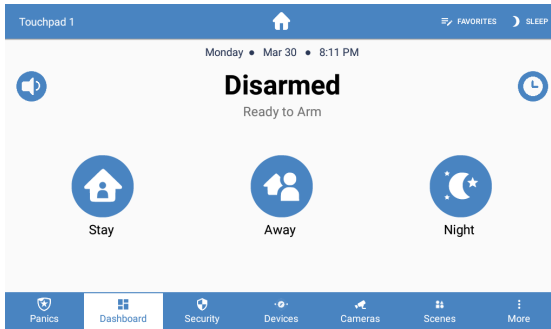
WIRE GAUGE	MAXIMUM WIRE LENGTH BETWEEN POWER TRANSFORMER AND TOUCHPAD
#24	Up to 50 feet
#22	Up to 75 feet
#20	Up to 125 feet
#18	Up to 200 feet
#16	Up to 300 feet

5. **Connect wire** to provided power transformer.  
**Note:** Power Converter must be powered by supplied 12V DC Power Transformer. Do not power from existing panel or other power supply.
6. **Splice power converter** wires to wires pulled from AC outlet.



7. **Ensure correct** polarity. Red wire must connect to +12V of power transformer.
8. **Plug USB connector** into the display.
9. **Place power converter** and excess wire inside the wall.
10. **Snap the display** into the back plastic (ensure camera is on the left side).
11. **Align the front cover** and snap into place.
12. **Plug in the Power Transformer** and ensure the display lights up. If display does not light up, unplug power transformer and verify wire polarity.

## Menu Guide



### Dashboard

- Favorites - is a customizable collection of sensors, Z-Wave® devices, cameras, and scenes that can be easily accessed from the Touchpad Dashboard

### Security

- History - shows event history
- Attention - shows all opened, bypassed, or troubled zones. Zones can be bypassed or activated by pressing the toggle to the right of the zone name.

**Note:** Zone name and chime options can be edited by selecting a zone. User pin authentication is required.

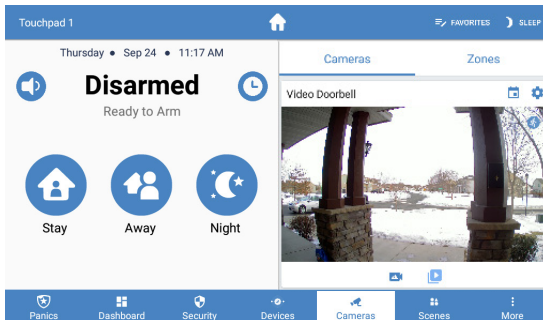
### Devices

- Add/Remove Z-Wave devices using the "+ Add" or "- Remove" buttons in the app bar
- Lock and unlock Z-Wave door locks
- Configure Z-Wave door lock access codes
- Turn Z-Wave lights on and off
- Set dimmer level for Z-Wave dimmer switches
- Open and close Z-Wave garage door openers
- Control Z-Wave thermostats

**\*\*PLEASE SEE Z-WAVE USER GUIDE FOR ADDITIONAL INFORMATION\*\***

### Cameras

- Cameras - can be viewed directly from the Touchpad. Live view, clips, and event notifications are supported. Doorbell live view will automatically be displayed when the doorbell button is pressed. Internet access is required



## Scenes

- Create scenes from the Touchpad by clicking the “+ Add” button
- Enable/disable scenes with the toggle button
- Navigate to the edit scene page by selecting an item in the list
- Rename a scene by selecting the name label in the top bar
- Modify the scene by adding/removing triggers and actions

## More - System

### • Status

- Troubles - shows all system troubles
  - If a system trouble condition exists, the panel will sound trouble beeps
  - To silence the trouble beeps for 24-hours:
    - Go to system page
    - Select the Silence button [upper right corner]
  - Smoke Reset - When a smoke detector needs to be reset it will appear here. Tap and confirm to reset.  
**Note:** This is supported for Napco panels. To reset smokes on all other panel types navigate to Settings -> Panel -> Reset Sensors.
- Status Updates - shows all status updates

### • Touchpad

- Battery - shows battery level and charging information
- Network - shows network the Touchpad is connected to
- Access point MAC
- Wi-Fi signal strength - must not be less than 35
- Response Time
- Wi-Fi channel
- Touchpad Firmware
- Touchpad Hardware
- Updater Firmware
- Serial Number
- FCC/IC information
- Uptime

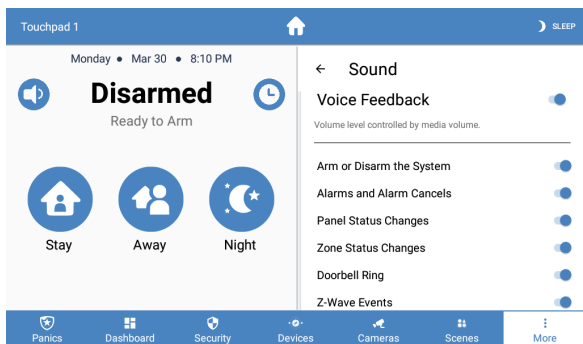
## More - Settings

### • Display

- Brightness - adjust slide bar to change brightness level
- Auto sleep display - when enabled the Touchpad screen will go to sleep after programmed period of inactivity. When auto sleep is disabled, the Touchpad will show wallpapers with time and arming level. Show Wallpaper shows/hides wallpaper images. If disabled the background is black.
- Entry wake - when enabled the screen will turn on during entry delay
- Clean screen - ignores touch input on the screen for 30 seconds to allow user to clean the screen

## • **Sound**

- Voice Feedback - When enabled the Touchpad will announce system status updates. The type of updates each Touchpad announces is configurable.
- Chime - Allows chime on this specific Touchpad. You must enable the panel global chime. This setting is used to disable chime on a per touchpad basis.
- Media Volume - Controls voice feedback and doorbell notification volume.
- Status & Keypress Volume
- Alarm Volume
- Doorbell Tone - Select a custom doorbell notification tone.
- Quiet Hours - Configure a time period where the Touchpad is quiet.



## • **Touchpad** (must enter code to access)

- Show Favorites - display favorites menu that shows frequently used zones, scenes, and devices on dashboard
- Show Panics - ability to turn off individual panics (this option can only be viewed when using installer or dealer code)
- Lock to Dashboard
  - When enabled only the dashboard menu can be accessed without an access code
  - When disabled no access code is needed to navigate outside of dashboard
- Return to dashboard - specifies time of inactivity before Touchpad will automatically return to dashboard
- Navigation - select which items should be accessible via the bottom navigation
- Notifications - ability to turn on and off notifications on the system overview page
- Wi-Fi - connect via Wi-Fi if using cameras and user management features
- Temperature Scale - option for displaying °F or °C
- Alula Cloud - must be logged into Alula Cloud as the account owner to use cameras and user management features
- Power Off

## • **Panel** (must enter code to access)

- Global Chime - enables or disables panel sensor chime mode
  - Quick Arm - arm the panel without entering your access code. Access code is still required to disarm
  - Users - manage device users directly from the touchpad (only the account owner can modify users, internet access is required).
  - Dealer Code - Configure the dealer code used by BAT-Connect to program the system
- Note:** Only available for Napco panels.
- UL Compliant Mode - when enabled the Connect+ and BAT-Connect will adhere to UL standards. Dealer or Installer authority is required to configure this option.



## Panel (continued)

- Keypads - lists the panel's keypads
  - Rename keypads by selecting an item on the list and holding it for 2 seconds
- Reset Sensor - when there are sensors that latch open, such as a smoke detectors, they can be reset here.
- Communication Test mode
  - The Touchpad will begin testing communications and display "TESTING"
  - After one minute, the Touchpad will show the result of the test which will be either "GOOD," "FAIR," OR "POOR"
  - If you get a "POOR" test result, try the test again from another location
  - The table below lists the thresholds used to determine the outcome of the test
    - If any statistic falls in the poor range, the test outcome is "POOR"
    - If there are no poor statistics and any statistic is in the fair range, the outcome of the test is "FAIR"
    - If all statistics are in the good range, the outcome of the test is "GOOD"

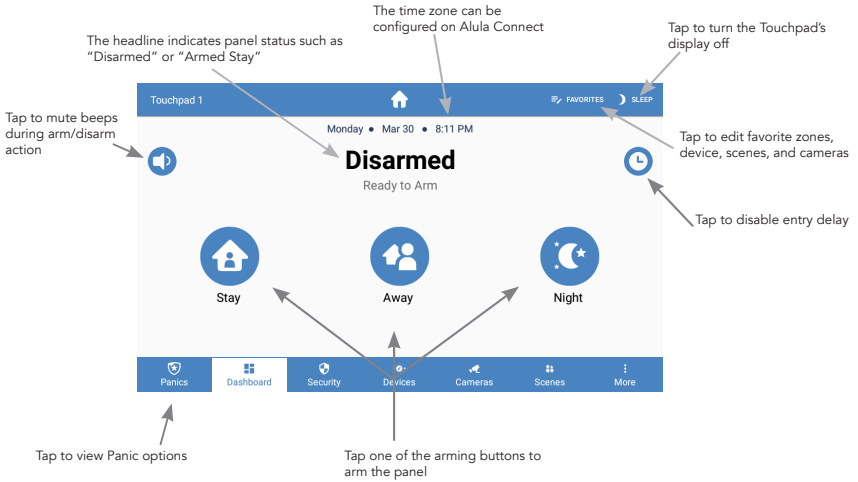
<b>Statistic</b>	<b>Unit</b>	<b>GOOD</b>	<b>FAIR</b>	<b>POOR</b>
Wi-Fi Signal Strength	dB	Over 39	35 to 39	Under 35
Communication Success Rate	%	Over 89	85 to 89	Under 85
Response Time Average	ms	Under 200	200 to 250	Over 250

- Check for updates - this will tell the panel to check for any system updates
- Z-Wave
  - Join/Leave Another Z-Wave Network - the panel can be placed into Z-Wave inclusion or exclusion mode to allow it to join/ leave existing Z-Wave networks.
  - Soft Reset - a soft reset will reset the Z-Wave controller software. All Z-Wave devices will remain enrolled.
  - Hard Reset - this action will cause your Connect+ Z-Wave module to be restored back to the default state. Warning: Performing this action results in all Z-Wave devices being removed from this Z-Wave controller. To add them back, you will first need to exclude them, and then include them again.

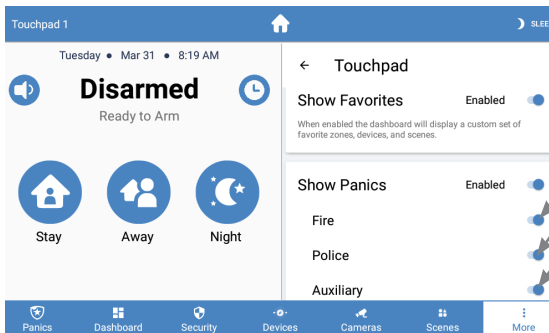
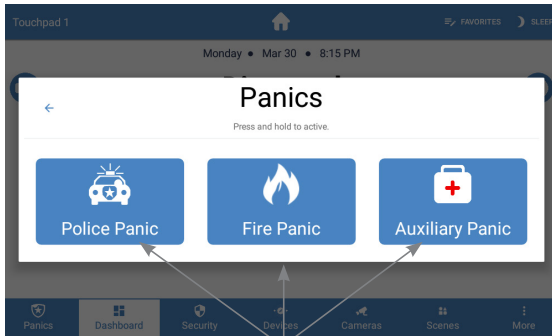
### **\*\*PLEASE SEE Z-WAVE USER GUIDE FOR ADDITIONAL INFORMATION\*\***

- About - lists information about the panel's installed hardware and software

# Home Screen Functions\*



# Panic Functions\*



\*These features were taken from a Connect+. Your features may differ depending on panel.

## Pro Tips

**When a Touchpad is connected** to the BAT-Connect or Connect+ through the DeviceLink interface it remains available for use during momentary power outages. The BAT-Connect, Connect+, and the DeviceLink connection are battery backed. If the Touchpad is connected only via the premise Wi-Fi, Alula recommends that all network equipment including the Wi-Fi access point be connected to a suitable UPS to ensure system availability during power outage. The Touchpad may and typically should be installed with both premise and DeviceLink options, as it is designed to fall back to the DeviceLink interface during loss of the premise Wi-Fi connection (for any reason).

**The Touchpad display turns off on its own** after specified allotted time of inactivity (Auto sleep display setting). It will turn back on when the screen is touched, or for some alarm conditions. The screen can also be turned off manually by pressing "Sleep."

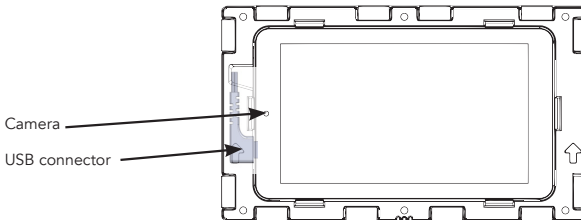
**The Touchpad volume can be changed** in the Settings screen. The physical volume rocker switch on the top left side of the Touchpad is **not** enabled.

**The Touchpad can be rebooted** by holding the power button on the top left side of the display for several seconds; however, this should never be required.

**To unenroll the Touchpad** navigate to the Settings menu and then to the section labeled "Panel." Put the Connect+, or BAT-Connect, into wireless enrollment mode and press the unenrollment button on the touchpad screen.

**Note:** The unenroll button is displayed on the Touchpad only when the panel is in enrollment mode.

**When adding display** into enclosure, camera should be on the left side.



# Specifications

Physical Specifications	
Dimensions	5.39in[13.68cm] x 9.15in[23.23cm] x 0.66in[1.68cm]
Weight	1.02lbs [463 grams]
Pilot Hole for Screw into Wood	Ø 1/8in [3mm]
Pilot Hole for Wall Anchor	Ø 3/16in [4.7mm]
Mounting Fasteners	#6 screws & 4 wall anchors [included]
Environmental Specifications	
Operating Temperature	32°F to 120°F [0°C to 49°C]
Maximum Humidity	85% non-condensing relative humidity
Device Specifications	
Battery Life	4 hours
Power Transformer	
Input	100-120V AC, 60Hz, .8A
Output	12V DC, 2.0A
Part Number	RE012-17
Power Converter	
Input	8-22V DC
Output	5V DC, 3A Max
Wireless Range	~300 feet in open air
Screen Resolution	1024 x 600 pixels
Screen Size	7 inches diagonally
Accessories	
Wi-Fi DeviceLink	RE926RX (only needed for Connect+)
Certifications	
RE657WF	FCC, IC

*Specifications subject to change without notice*

## IC NOTICE

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux cnr d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) L'appareil ne doit pas produire de brouillage, et
- (2) L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## FCC NOTICE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference that may be received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Alula could void the user's authority to operate this equipment.

## TRADEMARKS

Alula and Connect+ are trademarks owned by Alula Holdings, LLC.

Z-Wave is a registered trademark of Silicon Labs.

Android is a trademark of Google LLC.

Wi-Fi is a trademark of The Wi-Fi Alliance.